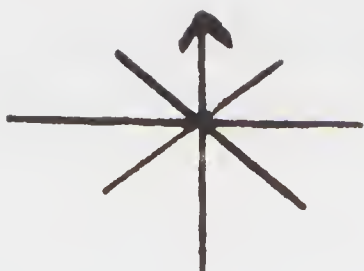


1964

05	March	-	leave	Oahu	0800
06	March	-	Arrive	Nahoa	1000
07	March	-	leave	Nahoa	0800
08	March	-	arrive	Neeke	
08	March		leave	Neeke	0800
09	March		Arrive	afadnue	Perales
09	March		leave	"	" 0800
10	March		arrive	Fajon	0900
10	March		leave	Fajon	0700
11	March		arrive	Lescinski	0800



DATE MARCH 6
Pg. # 1

time species # dir. hgt. remarks loc.

0630	BFA	3				
0638	Frigate	1				
0703	Sooty T	1				
0822	Frigate	15				
0830	B.G. Noddy	2		low		
0831	Brown B	2	E	low	10 ft	
0831	RFB	1	E		on water - got up	
0831	Fairy T	1	E			
0835	Blueface B	1	E	50	100 ft	



DATE 03-07-64
Pg. # 1

time	species	#	dir.	hgt.	remarks	loc.
1045	B & ALB	6				
1045	FRIGATE	1	NE	200 ft	Imm	
1055	Sooty Petrel	2	S	4 ft	100 yds off port	
1100	B & A	8				
1105	Sooty Tern	1	E	5 ft	off port	
1106	Noddy	1	N	5 ft	off starboard near 500 yds	
1115	B & A	9				
1116	Petrel	1	W	3-5 ft	Small black 4-500 yds port	
1123	Common Noddy	1	E	5-20 ft	200 ft yds off port star	
1125	Fairy Tern	1	S	20 ft	300 yds port	
1126	R & Booby	2	SW	5-30 ft	port star 400 ft yds	
1130	B & ALB	14				
1133	Sooty Tern	1	NW	5 ft	off starboard - 400 yds	
1134	Sooty Tern	2	NW	10-20 ft	back of ship	
1135	Sooty Petrel	1	SW	5-10 ft	Starboard to port 200 yds (brown wing, br)	
1140	petrel(?)	1		5 ft	port star (prob Sooty Pet)	
1141	Sooty Tern	2	SW	10 ft	port	
1143	Fairy Tern	1	W	20 ft	Starboard	
1145	Sooty Tern	1	E	10 ft	port	
1145	B & ALB	12				
1150	Sooty Petrel	1		5 ft	behind ship 200 yds	
1152	Sooty Tern	1	N	20 ft	Starboard 200 yds	
1155	OFF DUTY					
12:00	B & ALB	15				
12:40						
12:45	B. F. ALB.	10				
12:50	FAIRY TERN	1	E	15	STARBOARD	
13:00	B. F. ALB	14			FEEDING ON GARBAGE	
13:04	SOOTY PETREL	1	SW	10	300 YARDS TO PORT	
13:15	B. F. ALB	3				
13:17	SOOTY TERN	12	NW	20	STARBOARD 400 YARDS.	
13:29	FAIRY TERN	1	N	15-20	STARBOARD 300 YARDS	
13:30	B. F. ALB.	14				
13:33	FAIRY TERN	2	N	5-20	STARBOARD 300 YARDS	
13:34	SOOTY TERN	1	S	5-20	PORT 250 YARDS	
13:30	POORAGE	150			AHEAD OF SHIP	
13:45	B. F. ALB.	3				
13:56	SOOTY TERN	1	S	20-25	ASTERN 50 YARDS	

1045 1240
1155 1727

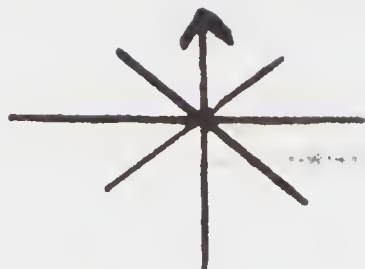
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DATE 03-07-64
Pg. # 2

time species # dir. hgt. remarks loc.

14:00	B.F. ALB	8					
14:00	SOOTY TERN	150	N	5-30	300 YARD AHEAD		
14:00	FAIRY TERN	2	N	35	WITH SOOTY FLOCKS		
14:15	B.F. ALB.	10					
14:30	B.F. ALB	8					
14:31	Sooty TERN	3	SE	20 ft	200 yds off port		
14:34	Sooty PETREL	1	SE	4.5 ft	400 yds port		
14:35	FAIRY TERN	1	W	10 ft	200 yds port		
14:35	FRIGATE	1	SE	4-100	300 yds port		
14:38	FAIRY TERN	1	E	4-10 ft	100 yds STARBOARD		
14:42	FAIRY TERN	1	S	20 ft	200 yds off bow		
14:45	B.F. ALB.	8					
	LAYSAN	1			1st LAYSAN AT SEA - WAY OFF STERN		
15:00	B.F. ALB.	11					
	LAYSAN	1					
15:06	FAIRY TERN	1	E	10 ft			
15:12	FAIRY TERN	2	E	4-10			
	PETREL	1	E	2-4			
15:15	B.F. ALB	13					
15:19	Wedgetail	1	N	5 ft	STARBOARD - 100 yds		
15:20	LAYSAN	1					
15:30	B.F. ALB	12					
	LAYSAN	2					
15:35	FAIRY TERN	1	N	10 FT	STARBOARD - 100 YDS		
15:40	LAYSAN	2					
15:44	SOOTY TERN	1	S	5-20	PORT - 200 YDS		
15:45	B.F. ALB	11					
	LAYSAN	3					
15:47	FAIRY TERN	1	N	5 FT			
16:00	B.F. ALB	13					
	LAYSAN	1					
16:06	Sooty TERN	1	N	20 ft	PORT to STARBOARD 100 ft off STERN		
16:15	B.F. ALB	18					
16:30	B.F. ALB	16					
16:45	B.F. ALB	13					
16:47	FAIRY TERN	1	E				
16:50	LAYSAN ALB	1					



DATE 03-07-64
Pg. # 3

time	species	#	dir.	hgt.	remarks	loc.
1200	B.F. ALB	8				
1701	Wedgetail	1	NW	5-10	Port 100 yds Starboard	
1702	Sooty Tern	1	W	20	Port	
1704	Noddy Tern	2	NW	20	stern 50 ft.	
1705	Sooty Tern	1	W	20	stern	
1710	Fairy Tern	1	E		Starboard	
1713	Noddy Tern	1	NW	5	Starboard 100 yds	
	Sooty Tern	1	NW	5		
1715	B.F. ALB	20				
1716	LAYSAN ALB	1				
1725	B.F. ALB.	19				



DATE MARCH 8
Pg. # 1

time	species	#	dir.	hgt.	remarks	loc.
0900	B. & ALB	7				
	LAYSAN A	1				
0904	Sooty Tern	3	NW		off port Starboard	
0904	Sooty Tern	1	NW	3-10	port 300 yds	
0911	B-G Noddy	1	NW	3-10	port bow 200 yds	
0913	Red foot Booby	1	NW	5-10	port 300 yds	
0913	Sooty Tern	2	W	5		
0915	Gray-backed T	1	W	10-20	starboard to port off bow 100 yds	
0915	B. & ALB	6			port 7 Starb bow 200 yds	
0919	Fairy Tern	1	N	5-20	port 7 Starb bow 200 yds	
0921	Fairy Tern	1	N	10 ft	bow 300 yds	
0922	"	1	N	20 ft	" 100 yds	
0925	Sooty Tern	2	N	5-10 ft	port 7 Starb bow 200-300 yds	
0926	Sooty Tern	1	W	10 ft	Starboard	
0930	B. & ALB	6			Starboard	
0932	B-G Noddy	1	E	5 ft	Starboard	
0937	Sooty Tern	1	W	5 ft	Starb. bow	
0945	B. & ALB	7				
0949	Gray-backed T	1	E	5-10	Starb 7 port bow	
0954	LAYSAN ALB	1			port bow	
0959	Gray-backed T	1	NW	5-10		
1000	B. & ALB	6				
	LAYSAN	1				
1015	B. & ALB	6				
1017	GB Tern	1	N	3-5	starboard 500 yds	
1021	LAYSAN A	1				
1023	Gray-backed T	2	N	5-10	port 7 Starb bow 300 yds	
1025	Sooty T	2	NW	30	Starboard 200 yds	
1030	B. & ALB	7				
1031	???	2	W	30-50	400 yds too big for tern too inf for frigate soaring black wings whitish underparts	
1037	Sooty Tern	1	W	20	Bow 200 yds	
1041	Sooty Tern	3	E	15-20	100 ft	
1049	Red footed B.	1	E	5-15	300 yds	
1049	Sooty Tern	1	NW	"	100 ft	
1100	B. & ALB	12				



DATE March 8
Pg. # 2

time	species	#	dir.	hgt.	remarks	loc.
1104	Fairy Tern	1	N	60 ft	port → starboard - over ship	
1108	Sooty Tern	2	E	20 ft	starboard	
1115	B.F. ALB.	17				
1120	Frigate	2	E	100 ft	immature + female over ship	
1121	Fairy Tern	2	E	10	300 yds } starboard	
1121	Red-foot B.	1	E	5-10		
1126	Sooty Tern	2	E	20	500 yds starboard	
1128	Sooty Tern	1	W	10	port	
1130	B.F. ALB.	17				
	LAYSAN	1				
1145	B.F. ALB.	16				
1200	B.F. ALB.	11				
1205	B.F. ALB.	8				
	Lay. Alb.	1				
12:15	B.F. ALB.	19				
12:24	B.F. ALB.	18				
	Fairy Tern	1	E			
	Lay. Alb.	1				
12:30	W.T. Shear.	1	E	5-10	200 yds. across bow then back port.	
12:27	B.F. ALB.	40			ON GARBAGE	
12:43	LAY. ALB.	1				
12:54	B.F. ALB.	7			ON GARBAGE	
12:58	SOOTY TERN	1	W		250 YARDS OF PORT	
13:00	B.F. ALB.	10				
13:10	LAY. ALB.	1				
13:15	B.F. ALB.	8				
13:25	TERNS SP	2	E		500 YARDS TO PORT	
13:30	B.F. ALB.	9				
	LAY. ALB.	1				
13:45	B.F. ALB.	14				
	LAY ALB	1				
13:45	SOOTY TERN	1	E		250 YARDS TO PORT	
13:53	Sooty T	4	E	40	100 yds starb	
13:55	Sooty Tern	50	NE	5-20	600 yds starboard	
	R.F. Booby	1				
1400	B.F. ALB.	7				
1403	Grayback T	3	E	20	200 yds starboard	
1403	Sooty T	1	E	10-20	200 yds "	



DATE MARCH 8
Pg. # 3

time species # dir. hgt. remarks loc.

1412	Sooty Tern	1	E	5	starboard 100 ft	
1415	B. F. ALB	10			some lit on water	
1415	Petrel	1	N	5	black-pool Sooty - starb low 200 yds	
1415	Poipose	2				
1430	Sooty Petrel	1	NW	5	starboard 200 yds	
1430	B f ALB	8				
1433	Large ALB	3				
1434	Sooty Tern	2	E	10	starboard star 300 yds	
1440	Bluf. Booby	1	E	5-10	starboard 100 yds	
1442	Sooty Tern	1	E	10	starboard 100 yds	
1445	B.F. ALB	12				
	LAY SAN	1				
1457	Sooty Tern	1	E	10	starboard 25 yds.	
1500	B.F. ALB	8				
	LAY. ALB	1				
1502	Sooty Tern	2	SW	40	50 yds.	
1508	Sooty Tern	1	SW	20	300 yds.	
1511	Sooty Tern	1	SW	20	200 yds.	
1512	LAY. ALB	2				
1514	Sooty Tern	2	E	10	300 yds	
1515	B. F. ALB	11				
1530	BF ALB	9				
1534	Sooty Tern	3	E	10	300 yds.	
1536	Sooty Tern	1	E	30	20 yds	
1537	Lay. Alb	1				
DEW NORTH OF FRENCH FRIGATE SHOALS 15:35						
1543	Sooty Tern	2	N	3		
1543	B.F. ALB	15				
1550	Sooty Tern	1	SE	5	starb. 200 yds	
1551	Sooty Tern	1	S	5	Bow 300 yds	
1552	" "	4	S	5-20	over ship	
1552	B.F. Booby	1	E	10-20	200 yds starb.	
1554	Hawaiian Pet	1	N	5	Bow 100 yds	
1600	B.F. ALB	17				
	LAY	1				
1600	Fairy Tern	1	N	10	Port 300 yds	
1602	Petrel	1	SE	5	300 yds black! port!	



DATE March 8
Pg. # 1

time species # dir. hgt. remarks loc.

1609	R.F. Booby	1	W	5-20	Starboard	
1612	Sooty Tern	2	SE	10-20	Port	
1613	Bonin Pet	1	N	5 ft	Starboard	
1615	Sooty Tern	1	S	5-10	Port	
1615	B.F. ALB	35+				
	Laysan	1				
1617	Sooty Tern	2	SE	5-10		
1619	Hawaii Pet	1	N	5	off bow 100 yds	
1619	Sooty T	1	N	10	bow 200 yds	
1621	B.R. Booby	1	N	20	bow 100 yds	
1630	B.F. ALB	12				
	LAYSAN	1				
1635	Sooty Tern	2	E	10	400 yds Starboard	
1636	Sooty Pet.	1	N	5	100-200 yds bow	
1637	Sooty Tern	1	E	10	Starboard 300 yds	
1645	Sooty Tern	2	SE	5-10	Starb 200 yds	
1645	R.F. Booby	1	SE	5	Starboard 400 yds	
1645	B.F. ALB.	13				
1648	Bonin Pet	1	N	5	Starb 200 yds	
1654	R.F. Booby	1	E	10	Port	
1655	Bonin Pet	1	N	5	Starb. 300 yds	
1700	B.F. ALB	26				
	LAYSAN	1				
1715	B.R. ALB	44				
	Laysan	1				
1750	B.F. ALB.	30				
1800	B.F. ALB	55				
1830	B.R. ALB	40				
	LAYSAN	2				

Congregated when garbage was tossed overboard.
THREW garbage overboard - ALL L.T.



DATE 03-09-64
Pg. # 1

time	species	#	dir.	hgt.	remarks	loc.
8:00 8:08	B.F. ALB SOOTY TERNS	7 2			LEAVING GARDNERS PINNICLES - DEW WEST	
8:18	FAIRY TERN	1	E	30	PORT	
8:20	B.F. ALB	8				
8:24	MASKED BOOBY	1	N	30	STARBOARD	
8:30	B.F. ALB	11				
8:44	BR. Booby	1	E	30	Starboard 50 ft	
8:45	B.F. ALB	13				
09:00	B.F. ALB	5				
09:15	B.F. ALB	9				
09:30	B.F. ALB	5				
09:35	LAYSAN	1				
09:35	FRIGATE	1	N	100	immature - 200 yds bow	
09:45	B.F. ALB	14				
09:48	Sooty Tern	5	E	5-10	Starboard - 200 yds	
09:53	Bonin Pet	1	W	10-20	Star - bow 100 ft	
10:00	B.F. ALB	17				
10:07	Sooty Tern	2	E		100 ft - starboard	
10:09	Laysan Alb.	1				
10:15	B.F. ALB	14				
	Laysan Alb.	1				
10:30	B.F. ALB	9				
10:32	LAYSAN	1				
10:45	B.F. ALB.	11				
	Laysan	1				
10:57	Sooty Tern	1	E	5-10	Port 100 ft	
11:00	B.F. ALB	20				
	LAYSAN ALB	2				
11:05	B.F. ALB	10				
	LAYSAN	1				
11:25	Grayback T	1	N	5-10	200 yds - bow	
11:30	B.F. ALB	23				
11:33	Sooty Tern	3	W	5-20	600 yds - port	
11:36	LAYSAN	2				



DATE MARCH 9
Pg. # 2

time	species	#	dir.	hgt.	remarks	loc.
1143	Bonin I. Pet	1	N	5-10	Bow 200 yds	
1145	B.F. ALB	18				
	LAYSAN	1				
1200	B.F. ALB	25				
1214	B.F. ALB	29				
	Lay ALB	1				
1230	B.F. ALB	29				
1235	LAY ALB	1				
1245	B.F. ALB	35+			ON GARBAGE	
1300	B.F. ALB	30				
	LAY ALB	2				
1315	B.F. ALB	30				
	LAY ALB	1				
1321	SOOTY TERN	1	E	40	OVER SHIP	
1330	B.F. ALB	15				
1332	GRAY BKAT.	2	NE	20-30	50 YARDS FROM SHIP	
1340	Po. Poise	1			Starb. 100 yds	
1345	B.F. ALB	8				
	LAYSAN	1				
1352	Sooty Tern	1	N	10-20	Starboard 100-200 yds	
1400	B.F. ALB	9				
	LAYSAN	3				
1404	Bonin I. Pet	1	N	5-10	Starboard-stern 200 yds	
1410	KNATS ISL	1	NE	100	Starboard 100 yds	
1415	B.F. ALB	14				
1430	B.F. ALB	22				
1445	B.F. ALB	11				
	LAYSAN	1				
1500	B.F. ALB	8				
	LAYSAN	1				
1515	B.F. ALB	10				
	LAYSAN	1				
1530	B.F. ALB	25				
	LAYSAN	1				



DATE March 9
Pg. # 3

time	species	#	dir.	hgt.	remarks	loc.
1543	B.F. Booby	1	W	0-20	lit on water starboard 200 yds	
1545	B.F. ALB	13				
1556	Bonin I Pet.	1	S	5-10	Port 100-200 yds	
1559	Blue Booby	1	W	10-15	Starboard 400 yds	
1600	B.F. ALB.	7				
	LAYSAN	2				
1607	Bonin Pet	1	W	4-10	Starboard 200 yds	
1615	B.F. ALB	11				
1617	Bonin Pet	1	SW	5-10	Port bow 100 yds	
1630	B.F. ALB	9				
1634	Bonin I Pet	1	E	5-10	aft 200-300 feet	
1645	B.F. ALB	12				
	LAYSAN	1				
1647	Blue faced B.	1	SW	20	300 feet from starboard	
1700	B.F. ALB.	10				
1710	Bonin I Pet	1	N	5-10	300 yds aft	
1714	Bonin Pet	1		5-10	following ship	
1715	B.F. ALB	10				
1815	B.F. ALB	22		70	port-astern	
1828	Sooty Tern	2	SE			
1830	Sooty Tern	6	E	5-20	port + starboard 100 ft	
1830	B.F. ALB	27				
	LAYSAN	3				
1834	R.F. Booby	1	NE	5-10	starboard bow 300 yds (immature)	
1836	Petrel	1	SW	5	Port 300 yds	
1838	R.F. Booby	1	E	5-20	200 yds starboard (imm Booby	
	Frigate	1	E	5-20	& Frigate)	
1845	B.F. ALB	27				



DATE 03-11-64
Pg. # 01

time	species	#	dir.	hgt.	remarks	loc.
1100	B.F. ALB	40				
	LAY ALB	1				
1103	FRIG BIRD	1	E	90	ASTERN	
1105	LAY ALB	2				
1115	B.F. ALB	35				
1115	BONIN IS.	1	N	5	AHEAD	
1116	BONIN IS.	1	N	5	AHEAD	
1130	B.F. ALB	29				
	LAY ALB	2				
1135	SOOTY TERN	1	E	30	STARBOARD 400 FEET	
1138	SOOTY TERN	2	E	20	" 800 "	
1145	B.F. ALB	37				
	LAY ALB	2				
OFF	DUTY 11:48					
ON	DUTY 13:00					
1300	B.F. ALB	43			ON GARBAGE	
	LAY ALB	2				
1301	BONIN IS.	1	E	5	300 YARDS ASTERN	
1305	SOOTY TERN	1	E	20		
1313	R.F. BOOBY	1	E	30	50 YARDS FROM SHIP	
1315	B.F. ALB	55			ON GARBAGE	
	LAY 1					
1320	FRIGATE B.	1	N	40	1000 YARDS FROM STARBOARD	
1322	R.F. BOOBY	3	E	5-20	300 YARDS TO STARBOARD	
	BONIN IS	12				
1328	SOOTY TERN	1	W	20	100 FEET OF SHIP	
1330	B.F. ALB	20				
	LAY ALB	2				
1345	B.F. ALB.	13				
	LAY ALB.	2				
1356	HARCOURT P.	1	W	5-15	100 FEET TO STARBOARD	
1357	SOOTY TERN	2	S	30	60 " " "	
1359	SOOTY TERN	2	N	30	30 " " "	
1400	B.F. ALB	15				
1402	BONIN IS.	1	NE	5	300 YARDS FROM SHIP	

1100
1100
1130
1130



DATE 03-11-64
Pg. # 2

time	species	#	dir.	hgt.	remarks	loc.
14:13	BONIN IS. P.	1	NE	5-10	STARBOARD 300 YARDS	
14:15	B. F. ALB	18				
	LAY ALB	1				
14:22	SOOTY TERN		SE	30	ASTERN 1500 FT.	
14:28	BONIN IS.	1	SW	5-10	STARBOARD - 200 YARDS	
14:29	CARPSTMISE	2	W	5-10	PORT - 200 YARDS	
14:30	B. F. ALB	14				
	LAY ALB	2				
14:32	SOOTY TERN	4	N	30	ASTERN	
14:34	BONIN IS.	1	E	5-10	PORT - 200 yards	
14:37	BONIN IS.	1	W	5	STARBOARD - 150 YARDS	
14:45	B. F. ALB	12				
14:47	BONIN IS.	1	W	5-10		
14:48	BONIN IS.	1	SW	5		
14:49	BONIN IS.	1	E	5-10		
14:51	BONIN IS.	1	E	5		
14:55	BONIN IS.	2	E	5		
15:00	B. F. ALB	14				
	LAY ALB	2				
OFF DUTY 15:00 TO 15:30						
15:30	B. F. ALB	8				
	LAY ALB	1				
15:31	BONIN IS.	1	E	5	50 FT FROM STARBOARD	
15:34	BONIN IS.	1	E	10		
15:35	LAY ALB	3				
15:38	BONIN IS.					
15:39	BONIN IS.					
15:42	BONIN IS.					
15:44	SOOTY TERN					
15:45	B. F. ALB	18				
	LAY ALB	3				
15:40	HARCOURTSP	1	N	30	180 feet from Starboard	
15:41	LAY ALB.	4				
15:42	HARCOURTSP	1	N	10	300 feet from Starboard	



DATE 23-11-64
Pg. # 3

time	species	#	dir.	hgt.	remarks	loc.
15:45	B.F. ALB.	17				
	LAY ALB	3				
15:47	BONIN IS	1	E	5-15		
15:48	BONIN IS	1	SE	5-10		
15:56	CHRISTMAS IS	2	W	5-15	100 YARD TO PORT	
16:00	B.F. ALB.	14				
	LAY ALB	1				
16:04	BONIN IS	1	W	5-20		
16:07	BONIN IS	1	NE	5-20		
16:09	BONIN IS	1	NE	5-20		
16:10	BONIN IS	1	E	5-20		
16:15	B.F. ALB.	40				
	LAY ALB.	4				
16:20	HARCOURT P.	1	E	10	25 FT AHEAD	
16:20	BONIN IS	1	W	5-20		
16:22	BONIN IS	1	WE	5-20		
16:24	BONIN IS	1	WE	5-20		
16:25	BONIN IS	1	N	5-20		
16:26	BONIN IS	1	N	5-20		
16:27	BONIN IS	1	W	5-20		
16:28	BONIN IS	1	W	5-20		
16:30	B.F. ALB.	17				
	LAY ALB	2				



DATE March 19, 1964
Pg. # 1

*the boat
- 20 min
- 60 min*

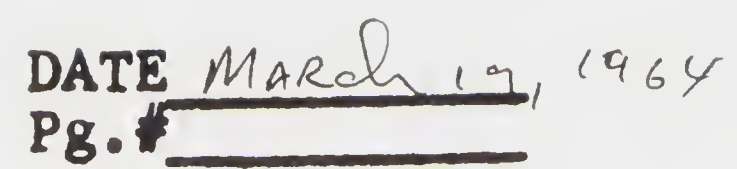
time	species	#	dir.	hgt.	remarks	loc.
645	B & Alb	5				
655	LAYSAN A	1				
700	B. & Alb	6				
	LAYSAN A.	1				
709	Bonin I Pet	1	N	10	port Breelport	
710-720						
0730	B. & Alb	5				
	LAYSAN A.	1				
0745	B. & Alb	8				
	LAYSAN A.	2				
0750	HAR. COURTS STORM PET.	1	N	1-5	Starboard 100 feet	probably Leaches
0750	Bonin I PET	1	N	5	" 100 yds	
0753	Bonin I. P.	1	S	5-10	Starboard 100 - 200 yds	
0755	Sooty Tern	1	N	20	100 ft	
0755	Sooty Shear	1	N	100/15	200 ft. silver under wings - starboard	
0800	B. & Alb	11				
	Laysan	1				
0800	Sooty Tern	1	N	30	200 ft. port	
0809	Wedge Tail	1	S	5	200 yds starboard	
0812	Pet. ?	1	E	1-5	200 yds port (black)	
0815	B. & Alb	8				
0816	Harcourt Shear	1	E	1-5	100 yds port	
0820	Wedge tail	1	N	5-10	200 yds starboard	
0820-920					no observations	
0925	Bonin I Pet	1	N	10-20	Port stem 200 yds	
0927	Bonin I P	2	N	10-15	Starboard 100 yds	
0930	B & Alb	7				
	LAYSAN Alb	2				
0931	Bonin I Pet	1	N	5-20	Starboard bow 100 ft	
0933	Bonin I Pet	1	NE	10	stem	
0938	Sooty Tern	1	W	1-5	Starboard 200 yds	
0940	Bonin I Pet	1	N	5-10	Starb. 100 yds	
0944	Bonin I P	2	NE	5-10	Starboard 100 yds	
0945	B & Alb	7				
	LAYSAN A.	1				
0949	Bonin I Pet	1	W	10	stem	



DATE MARCH 19, 1964
Pg. # 2

time species # dir. hgt. remarks loc.

0958	Bonin Pet	1	N	20	Port 100 yds	
1000	B & ALB	15				
	LAYSAN	3				
1000	Bonin Frigate	1	N	10-20	Port 100 ft	
1000	1000				no observations	
1000	B & S. ALB	7				
1103	Bonin I.P.	1	N	10	Starb 100 ft	
1106	" "	1	N	5	" 100 ft	
1107	Sooty Tern	1	S	50 ft	Port 100 ft	
1108	Bonin	1	N	5-10	Port 100 yds	
1110	Bonin	1	N	10-20	Port 100 yds	
1115	B & ALB	5				
1116	Bonin	1	N	5-10	Port 100 ft	
1119	"	1	N	10	Port 100 yds	
1120	"	1	N	10	" "	
1123	"	1	E	10	Starb " "	
1127	"	1	N	10	Starb 100 ft	
1130	B & ALB	9				
	LAYSAN	1				
1135	Frigate	1	S	20-30	Starboard 200 yds	
1400						
1400	B & ALB	7				
	LAYSAN	2				
1414	Bonin	1	W	10	Starb 100 yds	
1415	B & ALB	8				
	LAYSAN	1				
1416	Bonin	1	SE	1-5	Starboard 100 ft	
1419	B & ALB	14			garbage thrown over	
	LAYSAN	1				
1430	B & ALB	17				
	LAYSAN	2				
1431	Frigate	2	S	10-30	Starboard 1/2 mile	
1437	Bonin	1	S	5-10	Port 100 yds	
1442	Bonin	1		5-10	behind ship following 200 ft	
1445	B & ALB	14				
	LAYSAN	1				
1451	Bonin	1	E	5-10	Starb 200 yds	
1453	Bonin	1	S	6	Starb 200 ft	



time	species	#	dir.	hgt.	remarks	loc.
1455	Bonin	1	N	5	Stem	
1500	B.P. Alb. LAYSAN	14 2				



DATE MARCH 20, 1964
Pg. # 1

time species # dir. hgt. remarks loc.

0700 B.F. ALB
↓ Breakfast

4

0720 B.F. ALB
LAYSAN

4

0730 B.F. ALB.
LAYSAN A.

6

0733 LAYSAN A

1

0745 B.F. ALB

1

0748 Sooty TERN

50

SE

5-100

Port Bow 300 yds
(counted 48) 1-3 on starboard side

0800 B.F. ALB.

5

0807 LAYSAN

1

0815 B.F. ALB.

6

garbage dump

0830 B.F. ALB.

9

0834 Frigate

1

SE

50

Approached from stern → port
(immature)

0834 LAYSAN A.

1

0845 B.F. ALB.

6

LAYSAN A.

1

0900 B.F. ALB

8

LAYSAN A.

1

0915 B.F. ALB.

10

0928 WHALE

1

STARBOARD 100 yds

0930 B.F. ALB.

8

LAYSAN

1

0945 B.F. ALB

11

LAYSAN

1

1000 B.F. ALB

9

1015 B.F. ALB

9

1022 LAYSAN

1

1030 B.F. ALB

13

LAYSAN

1

1045 B.F. ALB

15

LAYSAN

1

1100 B.F. ALB.

11

LAYSAN

1

1115 B.F. ALB

14

LAYSAN

3

1130 B.F. ALB

17

LAYSAN

1



DATE MARCH 20, 1964
Pg. # 2

time	species	#	dir.	hgt.	remarks	loc.
1130 - 1215					Lunch break	
1215	B.F. ALB LAYSAN	20 1				
1224	LAYSAN				2nd one showed up	
1230	B.F. ALB LAYSAN	13 4				
1245	B.F. ALB. LAYSAN	8 2			counted when garbage dumped	
1300	B.F. ALB LAYSAN	13 2				
1307	B.F. ALB LAYSAN	19 4			ship stopped - garbage dumped	
1312	Frigate	1	SE	50+	300 yds stern (port)	
1315	B.F. ALB. LAYSAN	2 3				
1326	Sooty Shear	1	N	5-10	Starboard 100 yds - silv. under wings	
	B.F. ALB	6				
1330	LAYSAN	2				
1333	Sooty Shearw.	1	W	5	Stem 200 yds	
1345	B.F. ALB LAYSAN	4 2				
1400	B.F. ALB	6				
1412	B.F. ALB	5				
1430	B.F. ALB LAYSAN	6 1				
1445	B.F. ALB. LAYSAN	4 3				
1451	Blue-F. Booby	1	S	5-10	Starboard - 100 yds (immature)	
	B.F. ALB	8				
1500	LAYSAN	2				
1508	B.F. Booby	1	Starboard	5-10	Prob. same as above	
1514	" "	1	S		Starboard 100 yds	
1515	B.F. ALB. LAYSAN	5 1				
1530	B.F. ALB LAYSAN Blue-F. Booby	5 2 1			still every lock following ship	



DATE MARCH 20, 1964
Pg. # 3

time species # dir. hgt. remarks loc.

1545	B.F. ALB.	8				
	LAYSAN "	3				
1545	Red footed Booby	1	NW	10-15	stern 100 yds (sub adult)	
1549	Blue f. Booby	1	SE-E	10-15	same subadult - approached ship from stern passed on starboard 200 yds crossed over 100 yds headed east	
1600	B.F. ALB.	6				
	LAYSAN	2				
1600	Red footed B.	1			following ship (sub adult) 100 ft disappeared quickly	
1605	Red footed B.	1	N	5-20	approached from bow passed on port (sub adult)	
1607	Blue f. Booby	1			stern 200 yds	
1615	B.F. ALB.	8				
	LAYSAN	2				
1618	Blue footed Booby	1	SE	50	bow 100 ft (sub adult)	
1619	Sooty T	1			stern bow 100 yds	
1619	Frigate	1	N	100	Bow 1 mile passed on starboard side 300 yds	
1623	Blue footed B.	1	SE	10-20	Sub adult back on starboard side	
1630	B.F. ALB.	10				
	LAYSAN	2				
1638	Blue footed Booby	1	S	10	couldn't tell if same sub adult. starboard 200 yds	
1645	B.F. ALB.	10				
	LAYSAN	1				
1700	B.F. ALB.	20				
	Jaeger				report of 7 white birds prob. terns (Sooty) from bridge.	
1745	B.F. ALB.	16				
1800	B.F. ALB.	12				
	LAYSAN	1				
1800	Red foot Booby	2			immature	
1805	" " "	2			" flew round ship	
1815	B.F. ALB.	17				
	Red-f. Booby	2				
1830	B.F. ALB.	23				
	LAYSAN	1				
	Red f Booby	2			way back	
1845	B.F. ALB.	23				
	Red f Booby	2				
1900	B.F. ALB.	17				
	Red f Booby	2				



DATE MARCH 21, 1964
Pg. # 1

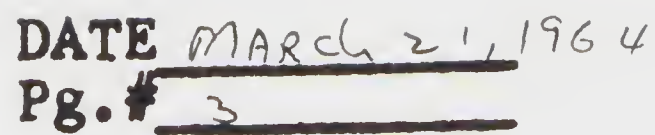
time species # dir. hgt. remarks loc.

0700	B.F. ALB	2			1 all black; 1 with white rump	
					The 2 immature Red-footed Boobies undoubtedly roosted on the flying bridge during the night from the mess they left	
0715	B.F. ALB	2			Same 2	
↑ breakfast						
0800	B.F. ALB	2			Same 2	
0815	B.F. ALB	2			Same 2	
0825	HARBOUR STORM PET	1	NW	5	port 100 feet	
0827	LAYSAN ALB	1			first appearance of the day	
0830	B.F. ALB	3			Same 2 plus 1 more w/white rump	
	LAYSAN A.	1				
0836	FRIGATE F	1	N	100	1 mile in front of Bow passed starboard side of ship at 0842 at 200 yds	
0845	B.F. ALB	3			same 3	
0850					Tanker spotted off starboard bow passed 7 miles away at 0920	
0900	B.F. ALB	3			Same	
0915	B.F. ALB	2			both w white rump	
0930	B.F. ALB	2			Same as 0915	
0939	Frigate ♂	1	N	1-50	bow 1/2 mile - passed off starboard at 0942 about 200 yds appeared to drop just above water and take something	
0945	B.F. ALB	2			white rump	
1000	B.F. ALB	2			same	
↑					10 minute Coke break	
1015	B.F. ALB	2			same	
1030	B.F. ALB	2			same	
1045	B.F. ALB	2			same 2	
1100	B.F. ALB	3			Same 2 plus one all black (latter first seen 1100)	
1115	B.F. ALB	3			Same as 1100	
1130	B.F. ALB	3			Same	
↑					lunch hour	
1230	B.F. ALB	3			same	
1245	B.F. ALB	3				
1255	B.F. ALB	3			garbage dumped	
1300	B.F. ALB	0				
	back to Tropic b.	1	SE	1-5	bow 1/2 mile	
1305	B.F. ALB	1				



DATE MARCH 21, 1964
Pg. # 2

time	species	#	dir.	hgt.	remarks	loc.
1306	RT Tropicbird Sooty TERN	1 2	W	1-5	starboard 200 yds	
1315	B.F. ALB	1			all black	
1318	B.F. ALB	2			1 all / 1 with white wing	
1330	B.F. ALB	0				
1336	B.F. ALB	1			white wing	
1345	B.F. ALB	2			1 black + 1 w/white wing	
1400	B.F. ALB	0				
1405	Petrel	1			whitish underwings - light tail coverts short wings, chunky build - 100 ft starboard	
1407	B.F. ALB	1			white wing	
1411	B.F. ALB	2			all black added to above	
1415	B.F. ALB	2				
1430	B.F. ALB	1			white wing	
1445	B.F. ALB	1			"	
1455	Sooty TERN	1	W	50	starboard 1/2 mile	
1500	B.F. ALB	1			white wing	
1515	B.F. ALB	2			all black plus above	
1520	B.F. ALB	0			albatross appear to range close to ship at times and then out of sight	
1530	B.F. ALB	10			one one very back (1/2 mile)	
↑					"close break"	
1545	B.F. ALB	1			white wing	
1600	B.F. ALB	0			last seen 1555	
1607	B.F. ALB	2			1 white wing + 1 all dark	
1615	B.F. ALB	2			same	
1618	Sooty TERN	2	E	1-10	300 yds port	
1630	B.F. ALB	2			1 white wing + 1 all dark	
1645	B.F. ALB	1			all dark	
1650	B.F. ALB	2			1 white wing added	
1654	B.F. ALB	3				
↑					dinner	
1745	B.F. ALB	4			3 white wing + 1 dark	
1754	Sooty TERN	29	N → E	1-100	first appeared off bow 1 mile - passed on port 1/2 mile then headed EAST	
1800	B.F. ALB	4				
1801	Sooty TERN	2	E	5-20	port 1/2 mile	
1809	Sooty TERN	13	E	1-30	port bow 1/2 mile	
1812	B.F. ALB	4			garbage dumped	
1815	B.F. ALB	0				



DATE MARCH 21, 1964
Pg. # 3

time	species	#	dir.	hgt.	remarks	loc.
1830	B.F. ALB.	0				
1845	B.F. ALB.	1				

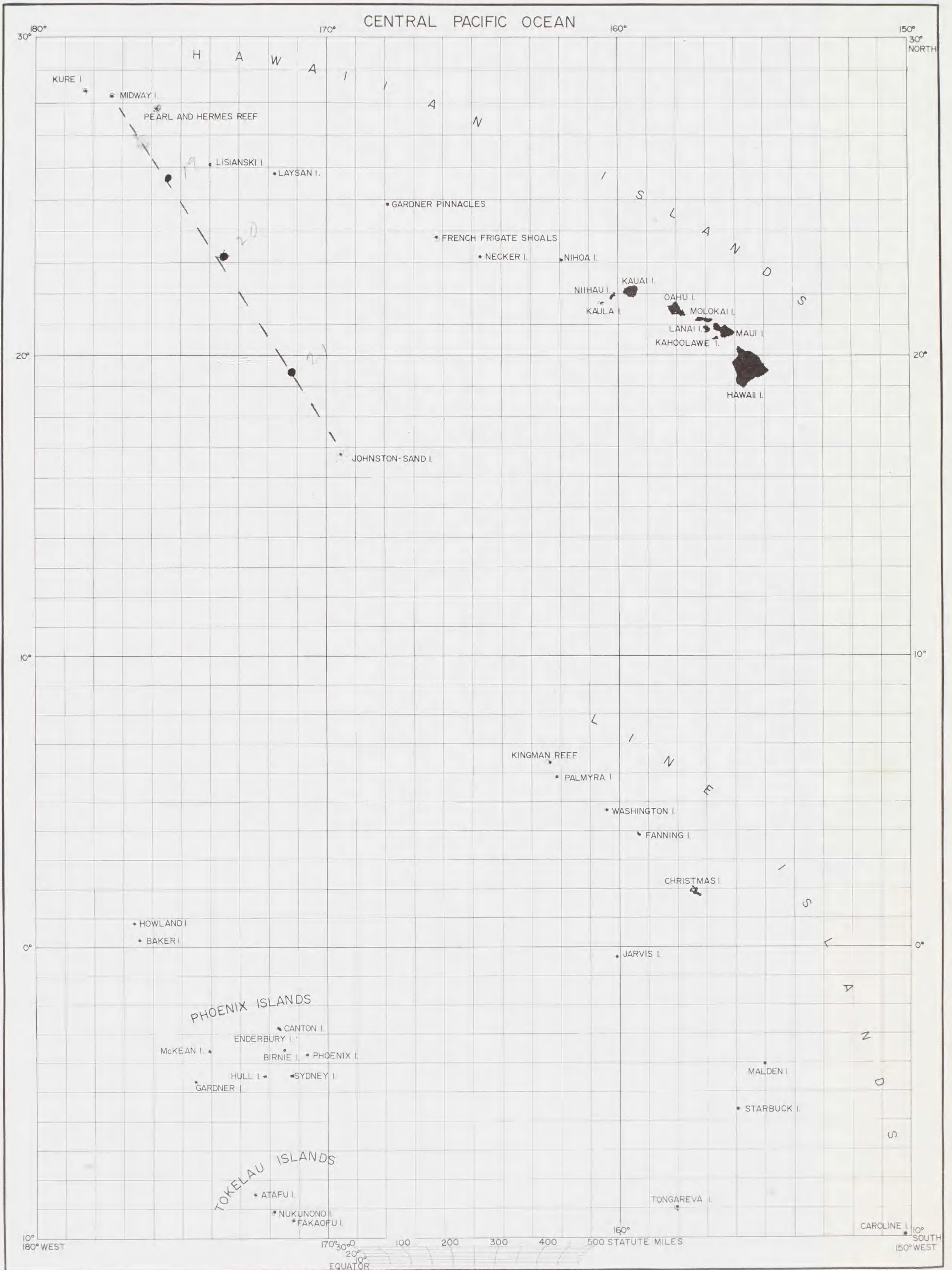


DATE MARCH 22
Pg. # 1

time	species	#	dir.	hgt.	remarks	loc.
0540	NEGATIVE					
0600	"					
0604	SOOTY TERN	3	W E	30	port 200 yds	
0614	SOOTY TERN	1	W	5-20	lower	
0617	SOOTY TERN	5	E	1-5	lower 100ft	
↕					various Sooty Tern flocks flying various ways	
0623	FRIGATE	1	W	1/2 mile		

Binion's trip 19 mar - 21 mar 1964

● = 1200 positions



DATE March 18, 1964

TIME	LAT	LONG	PRES	WEA	VIS	SLP	DRY B	DEW PT	HUMID %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100																
0200																
0300																
0400																
0500																
0600																
0700																
0800																
0900																
1000																
1100																
1200																
1300																
1400																
1500																
1600																
1700																
1800				BC	8	30.08	67	70	69				72	4	SE	V/C
1900				BC		.09	69	70	69				72	4		V/C
2000	28-06	177-17		C		.08	67	69	67				72	4		146
2100				↓		.10	70						74	5		↓
2200				↓		.10							74			↓
2300				↓		.10							74			↓
2400				↓		.11	66	69	66				70			

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES;
WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SI-MNH-955

12-5-63

DATE MAR 19, 1964

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUMID %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100			C	8		69	66				2-5	70	5	SSE	146
0200						69									
0300						69									
0400						71									
0500						71									
0600			BC			72	68						4		
0700			C			73					-SE			SE	
0800	26-44.8	176-24										70			
0900							69								
1000						74						71			
1100															
1200	25-46	175-34										74			
1300	26-11	176-05													
1400															
1500													5		
1600						75							5		
1700						74	68						5		
1800							69						4		
1900															
2000	25-17	175-05.5										76			
2100												75			
2200						73									
2300															
2400			BC												

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES;
WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SI-MNH-955

12-5-63

DATE March 20, 1964

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUMID %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100			BC	8	30.02	72	68				2-SE	74	4	SE	146
0200					01	↓							4	↓	↓
0300					29.99	↓							4	↓	↓
0400						73							4	SSC	147
0500					98	↓	67						3		146
0600					99	↓									
0700					30.00	74					ESE				
0800	23-41.9	173-54			02	75						75			
0900					03	74	66					76			
1000					02	75						76			
1100					03	75						73			
1200	23-09	173-32			01	76	67					75			
1300			C		29.99	↓					SE			SE	
1400			BC		98	77	68								149
1500					96	↓									
1600					95	76	66				E		2		
1700					95	75						76			
1800					95	↓									
1900					95	↓									
2000	21-57	172-39			96	74									
2100					97	73						77			
2200					97	↓	65								
2300					96	↓									
2400					94	↓						76			

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES;
WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SI-MNH-955
12-5-63

DATE March 21, 1964

TIME	LAT	LONG	PRES	WEA	VIS	SLP	DRY B	DEW PT	HUMID %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100				B	8	29.93	72	65				1-E	76	3	SE	149
0200				BC		91										
0300				↓		91										
0400						92								2		
0500				C		93	73							3	E	
0600						94	74	66								
0700						95								2	ENE	
0800	20-03.5	171-31				96		65								
0900						98	75						77			
1000						99										
1100						98		66					78			
1200	19-28	171-09		BC		97							76			
1300						94										
1400						94										
1500						92										
1600						92						1-ESZ	77	3	NE	
1700						92										
1800						92									NNE	
1900						94.82										
2000	18-12	170-19.8				96.94							79			154
2100						97.86										
2200						98.87										
2300						98.88										
2400						97.98	74									

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES;
 WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SI-MNH-955
 12-5-63

DATE March 22

TIME	LAT	LONG	PRES	WEA	VIS	SLP	DRY B	DEW PT	HUMID %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100																154
0200																154
0300																154
0400																154
0500																154
0600																170
0700																090
0800																U/C
0900																"
1000																"
1100																"
1200																
1300																
1400																
1500																
1600																
1700																
1800																
1900																
2000																
2100																
2200																
2300																
2400																

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES;
WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SI-MNH-955

12-5-63